PATENT COOPERATION TREATY

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WIPO	No.		POT	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference	FOR FURTHER AC	FION	See Form PCT/IPEA/416		
GLOZ200196PCT International application No.	International filing date (dav/month/vear)	Priority date (day/month/year)		
PCT/US04/41392	09 December 2004 (09.1)		09 December 2003 (09.12.2003)		
International Patent Classification (IPC) or national classification and IPC					
IPC: Please See Continuation Sheet USPC: 257/668,676,696,706,720,777,778,779					
Applicant					
GELCORE, LLC	GELCORE, LLC				
Examining Authority unde	Examining Authority under Article 35 and transmitted to the applicant according to Article 36.				
2. This REPORT consists of	a total of sheets, i	including this cover s	heet.		
This report is also accomp	anied by ANNEXES, co	mprising:			
a. (sent to the applica	nt and to the Internation	al Bureau) a total of	sheets, as follows:		
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).					
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.					
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in electronic form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).					
4. This report contains indica	4. This report contains indications relating to the following items:				
Box No. I · Ba	sis of the report				
Box No. II Pr	iority				
Box No. III Non-establishment of applicability		on with regard to nov	elty, inventive step and industrial		
	ck of unity of invention				
E			regard to novelty, inventive step or supporting such statement		
	rtain documents cited	-			
Box No. VII Ce	rtain defects in the intern	national application			
Box No. VIII Ce	rtain observations on the	international applica	tion		
Date of submission of the demand		Date of completion	of this report		
02 December 2005 (02.12.2005)		16 May 2006 (16.05.2006)			
Name and mailing address of the IPEA/ US		Authorized officer	nomina for Bell		
Mail Stop PCT, Attn: IPEA/US Commissioner for Patents		Joseph Nguyen	V		
P.O. Box 1450 Alexandria, Virginia 22313-1450			08 0056		
Facsimile No. (571) 273-3201		Telephone No. 703-30	00-0250		

Form PCT/IPEA/409 (cover sheet)(April 2005)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.	
PCT/HS04/41392	

Во	x No.	I Ba	sis of the report	
1.	With	regard	to the language, this report is based on:	
	\boxtimes	the inte	rnational application in the language in which it was filed.	
			ation of the international application into English, which is the language of a translation furnished for poses of:	
		in	ternational search (under Rules 12.3 and 23.1(b))	
		p	ublication of the international application (under Rule 12.4(a))	
		in in	ternational preliminary examination (under Rules 55.2(a) and/or 55.3(a))	
2.	furnis	shed to t	to the elements of the international application, this report is based on (replacement sheets which have been the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" innexed to this report):	
		the inte	ernational application as originally filed/furnished	
	\boxtimes		cription:	
		pages	1-12 as originally filed/furnished NONE received by this Authority on	
		pages*	NONE received by this Authority on	
	\boxtimes	the cla	ims:	
	и	pages	13-19 as originally filed/furnished	
		pages*	NONE as amended (together with any statement) under Article 19	
		pages*	13.16 and 17 received by this Authority on 02 December 2005 (02.12.2005)	
	K		NONE received by this Authority on	
	\boxtimes		wings:	
		pages	as originally filed/furnished	
		pages*	NONE received by this Authority on received by the received by	
	 1			
		a sequ	ence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing.	
3.		The ar	nendments have resulted in the cancellation of:	
			the description, pages	
		同	the claims, Nos	
		H	the drawings, sheets/figs	
		H	the sequence listing (specify):	
			any table(s) related to the sequence listing (specify):	
4.	. 🗀	This re	port has been established as if (some of) the amendments annexed to this report and listed below had not been made, ney have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).	,
			the description, pages	
		\sqcap	the claims, Nos	
		IT	the drawings, sheets/figs	
		H	the sequence listing (specify):	
		H	any table(s) related to the sequence listing (specify):	
	7£ 2.		lies, some or all of those sheets may be marked "superseded."	
1 *	II itei	ın 4 app	ues, some or an of mose success may be marked buportous.	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/41392

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement			
1. Statement			
Novelty (N) Cl	aims <u>1-31</u>		YES
Inventive Step (IS) Cl	aims <u>1-31</u>		YES
Industrial Applicability (IA) Cl	aims <u>1-31</u>		YES
CI	aims <u>NONE</u>		NO
2. Citations and Explanations (Rule 70.7) Claims 1-31 meet the criteria set out in PCT Article 33(2)-(3 attached to the top principal surface of the chip carrier and not 1; "a lead frame attached to the top principal surface of the chip carproximately coplanar with the bottom principal surface of claims 1-31 meet the criteria set out in PCT Article 33(4), at can be made or used in industry (i.e. light emitting device).	of contacting the hip carrier and rrier, the electr he chip carrier' ad thus have inc	e bottom principal surface of the ch. having electrical leads extending fre- rical leads being shaped to include le " for claim 17.	ip carrier" for claim om portions of the ead portions

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No. PCT/US04/41392

C	upplemental Box
Ö	uppenentat box
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	In case the space in any of the preceding boxes is not sufficient.
	Continuation of:
	Continuation of IPC:
	H01L 23/48(2006.01),23/34(2006.01),23/52(2006.01),23/495(2006.01) H01L 23/29(2006.01)
	110115 25/25 (2000.01)
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